

09/187,262
WEST Search History

DATE: Monday, September 08, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT,PGPB,JPAB,EPAB; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>			
L11	L9 or L10	100	L11
L10	L6 and L8	100	L10
L9	L7 and L8	25	L9
L8	solid solution	31598	L8
L7	L1 and L2 same L3 same L4 and L5	406	L7
L6	L1 and L2 and L3 and L4 and L5	1750	L6
L5	pore volume	18019	L5
L4	carrier or support or substrate	2857039	L4
L3	composite	389161	L3
L2	oxide near3 (powder or metal)	198193	L2
L1	catalyst or catalytic or initiator or initiation	630757	L1

END OF SEARCH HISTORY

09/987,262

L Number	Hits	Search Text	DB	Time stamp
1	3	"2000347952"	JP ; DERWENT	2003/09/08 16:25
2	2	JP-2002211908-\$.did.	JPO; DERWENT	2003/09/08 16:32
3	14	"6335305" "5397758" "5993762"	USPAT; US-PGPUB	2003/09/08 16:41
5	1	EP-1206965\$	JPO; DERWENT	2003/09/08 16:32
4	11	("6335305" "5397758" "5993762") and (Oxide with (metal or powder))	USPAT; US-PGPUB	2003/09/08 16:36
7	11	("6335305" "5397758" "5993762") and (Oxide with (metal or powder))) and (cataly\$4 or initiator)	USPAT; US-PGPUB	2003/09/08 16:37
8	3	("6335305" "5397758" "5993762").pn.	USPAT; US-PGPUB	2003/09/08 16:41
9	2	ep-1020216\$	EPO; DERWENT	2003/09/08 16:49
10	4	ep-0834348\$ or ep-1040870\$ or ep-1175939\$	EPO; DERWENT	2003/09/08 16:49

9/8/03

Problem Analysis and Search Strategy Worksheet

Case Number- <u>09/987,262</u>	Filing Date- Assignee		
Applicants			
Related US and foreign applications/docs	Publications applicant cited		
US Classes and subclasses	International classification		
Concept A Catalyst or catalytic or initiator or initiation	Concept B OXIDE NEAR3 (Powder or metal) AND	Concept C COMPOSITE AND	Concept D Growth or pore volume AND
Synonyms Carrier or Substrate or Support	Synonyms L1 & L2 & L3 & L4 or L5 OR	Synonyms L1 & L2 & L3 or L4 & L5 OR	Synonyms OR
Databases			
C mmands, syntax, search statements for each database			

applicant ECLA
Priority Doc.

DERWENT-ACC-NO: 2002-464839

DERWENT-WEEK: 200265

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TITLE: Composite oxide powder for catalyst
for hydrogen generation and exhaust gas
purification, comprises particles of composite oxides of two
different metal oxides

INVENTOR: HATANAKA, M; MORIKAWA, A ; SOBUKAWA, H ; SUDA, A
; YAMAZAKI, K

PATENT-ASSIGNEE: TOYOTA CHUO KENKYUSHO KK[TOYW]

PRIORITY-DATA: 2001JP-0336643 (November 1, 2001) ,
2000JP-0347952 (November 15,
2000)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC	
JP 2002211908 A		July 31, 2002		N/A
017	C01B	013/36		
EP 1206965 A1		May 22, 2002		E
034	B01J	023/10		
US 20020090512 A1		July 11, 2002		N/A
000	B32B	009/00		

pub for instant
file

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE
IT LI LT LU LV MC MK
NL PT RO SE SI TR

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
JP2002211908A	N/A	
2001JP-0336643	November 1, 2001	
EP 1206965A1	N/A	
2001EP-0127034	November 14, 2001	

Priority Doc.
found in instant case.
won 9/8/03

US20020090512A1 N/A
2001US-0987262 November 14, 2001

INT-CL (IPC): B01D053/86, B01D053/94 , B01J023/00 ,
B01J023/10 ,
B01J023/63 , B01J032/00 , B01J035/10 , B01J037/03 ,
B32B009/00 ,
C01B013/36 , C01B025/00 , C01B033/00 , C01F017/00 ,
C01G023/00

ABSTRACTED-PUB-NO: EP 1206965A

BASIC-ABSTRACT:

NOVELTY - A composite oxide powder comprises particles of composite oxide containing oxide of metal (M1) and oxide of metal (M2). M2 does not dissolve in M1, and M1 and M2 are dispersed at nanometer level.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Production of composite oxide powder which involves preparing an aqueous solution or water-contained solution of a chemical compound of M1 and a chemical compound of a M2; precipitating oxide of M1 or its precursor and oxide of M2 or its precursor or a chemical compound of oxides or precursors of above aqueous solution; and calcining obtained precipitate; and
- (2) Catalyst which comprises a catalyst support containing composite oxide powder, and a noble metal loaded on it.

USE - Used as catalyst support for catalysts used for hydrogen generation and exhaust gas purification.

ADVANTAGE - The composite oxide powder has large specific surface area, even after exposed to high temperature for prolonged time, without losing characteristics of oxide of single metal. The catalyst

formed from the composite oxide powder has excellent durability by suppressing noble metal grain growth, during the use at high temperature for a long time. The composite oxide powder has large meso-pore volume even after high temperature durability test. Therefore, the catalyst comprising composite oxide powder exhibits high catalytic activity, because the highly dispersed state of noble metal can be maintained even after high temperature durability test. The catalyst comprising noble metal-loaded cerium oxide, maintains high carbon monoxide conversion efficiency at low temperature, and also maintains high hydrocarbon conversion activity and hydrogen generation activity by water gas shift reaction, even after high temperature endurance test.

DESCRIPTION OF DRAWING(S) - The figure shows elemental analysis on one of non-overlapped particles of composite oxide powder, prepared in example, by EDS using FE-STEM with a beam of 0.5 nm diameter.

ABSTRACTED-PUB-NO: US20020090512A

EQUIVALENT-ABSTRACTS:

NOVELTY - A composite oxide powder comprises particles of composite oxide containing oxide of metal (M1) and oxide of metal (M2). M2 does not dissolve in M1, and M1 and M2 are dispersed at nanometer level.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Production of composite oxide powder which involves preparing an aqueous solution or water-contained solution of a chemical compound of M1 and a chemical compound of a M2; precipitating oxide of M1 or its precursor and oxide of M2 or its precursor or a chemical compound of oxides or

precursors of above
aqueous solution; and calcining obtained precipitate; and

(2) Catalyst which comprises a catalyst support containing
composite oxide
powder, and a noble metal loaded on it.

USE - Used as catalyst support for catalysts used for
hydrogen generation and
exhaust gas purification.

ADVANTAGE - The composite oxide powder has large specific
surface area, even
after exposed to high temperature for prolonged time,
without losing
characteristics of oxide of single metal. The catalyst
formed from the
composite oxide powder has excellent durability by
suppressing noble metal
grain growth, during the use at high temperature for a long
time. The
composite oxide powder has large meso-pore volume even
after high temperature
durability test. Therefore, the catalyst comprising
composite oxide powder
exhibits high catalytic activity, because the highly
dispersed state of noble
metal can be maintained even after high temperature
durability test. The
catalyst comprising noble metal-loaded cerium oxide,
maintains high carbon
monoxide conversion efficiency at low temperature, and also
maintains high
hydrocarbon conversion activity and hydrogen generation
activity by water gas
shift reaction, even after high temperature endurance test.

DESCRIPTION OF DRAWING(S) - The figure shows elemental
analysis on one of
non-overlapped particles of composite oxide powder,
prepared in example, by EDS
using FE-STEM with a beam of 0.5 nm diameter.

CHOSEN-DRAWING: Dwg.1/15

TITLE-TERMS: COMPOSITE OXIDE POWDER CATALYST HYDROGEN
GENERATE EXHAUST GAS

PURIFICATION COMPRISE PARTICLE COMPOSITE TWO
METAL

DERWENT-CLASS: E36 H06 J04

CPI-CODES: E11-Q02; H06-C03; J04-E04; N01-A; N01-C02;
N01-D02; N02-F02;
N03-B01; N03-B02; N06-E01; N06-F; N07-B;
N07-L01C1;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

A155 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M782 M904 M905 N513 N514 N515 N522
Q413 Q421 Q431 Q436 Q439 Q622 R036

Specfic Compounds

A00TAK A00TAM A00TAP

Chemical Indexing M3 *02*

Fragmentation Code

A155 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M782 M904 M905 M910 N513 N514 N515
N522 Q413 Q421 Q431 Q436 Q439 Q622 R036

Specfic Compounds

02015K 02015M 02015P

Registry Numbers

2015P 2015U

Chemical Indexing M3 *03*

Fragmentation Code

A313 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M782 M904 M905 M910 N513 N514 N515
N522 Q413 Q421 Q431 Q436 Q439 Q622 R036

Specfic Compounds

01544K 01544M 01544P

Registry Numbers

1544P 1544U

Chemical Indexing M3 *04*

Fragmentation Code

A422 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M782 M904 M905 M910 N513 N514 N515
N522 Q413 Q421 Q431 Q436 Q439 Q622 R036

Specfic Compounds

01966K 01966M 01966P

Registry Numbers

1966P 1966U

Chemical Indexing M3 *05*

Fragmentation Code

A422 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M782 M904 M905 M910 N513 N514 N515
N522 Q413 Q421 Q431 Q436 Q439 Q622 R036

Specific Compounds

13426K 13426M 13426P

Registry Numbers

1966P 1966U

Chemical Indexing M3 *06*

Fragmentation Code

A422 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M782 M904 M905 N513 N514 N515 N522
Q413 Q421 Q431 Q436 Q439 Q622 R036

Specific Compounds

03536K 03536M 03536P

Chemical Indexing M3 *07*

Fragmentation Code

B114 B701 B720 B831 C108 C800 C802 C803 C804 C805
C807 M411 M720 M782 M904 M905 N513 N514 N515 N522
Q413 Q421 Q431 Q436 Q439 Q622 R036

Specific Compounds

08794K 08794M 08794P

Chemical Indexing M3 *08*

Fragmentation Code

B114 B702 B720 B831 C108 C800 C802 C803 C804 C805
C807 M411 M720 M782 M904 M905 N513 N514 N515 N522
Q413 Q421 Q431 Q436 Q439 Q622 R036

Specific Compounds

01694K 01694M 01694P

Registry Numbers

1694P 1694U

Chemical Indexing M3 *09*

Fragmentation Code

M720 M782 M905 N513 N514 N515 N522 Q413 Q421 Q431
Q436 Q439 Q622 R036

Specific Compounds

A00R2K A00R2M A00R2P

Chemical Indexing M3 *10*

Fragmentation Code

A540 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M782 M904 M905 N513 N514 N515 N522
Q413 Q421 Q431 Q436 Q439 Q622 R036
Specfic Compounds
A0ARCK A0ARCM A0ARCP

Chemical Indexing M3 *11*

Fragmentation Code
A540 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M782 M904 M905 M910 N513 N514 N515
N522 Q413 Q421 Q431 Q436 Q439 Q622 R036
Specfic Compounds
01521K 01521M 01521P A2VTEK A2VTEM A2VTEP
Registry Numbers
1521P 1521U

Chemical Indexing M3 *12*

Fragmentation Code
A678 C810 M411 M720 M782 M904 M905 N513 N514 N515
N522 Q413 Q421 Q431 Q436 Q439 Q622 R036
Specfic Compounds
03247K 03247M 03247P

Chemical Indexing M3 *13*

Fragmentation Code
A758 A940 C108 C307 C510 C730 C801 C802 C803 C804
C807 M411 M730 M904 M905
Specfic Compounds
11544K 11544S

Chemical Indexing M3 *14*

Fragmentation Code
A313 A940 C108 C307 C510 C730 C801 C802 C803 C804
C807 M411 M730 M904 M905 M910
Specfic Compounds
01967K 01967S
Registry Numbers
1967S 1967U

Chemical Indexing M3 *15*

Fragmentation Code
C101 C550 C810 M411 M720 M781 M904 M905 N163 N442
Q431 Q436 Q439 Q508 Q509 R013
Specfic Compounds
01532K 01532P 01532U
Registry Numbers
1532P 1532U

Chemical Indexing M3 *16*

Fragmentation Code

C107 C108 C520 C730 C800 C801 C802 C803 C804 C807

M411 M750 M904 M905 N163 Q431 Q436 Q439 R013

Specific Compounds

01901K 01901X

Registry Numbers

1901U

Chemical Indexing M3 *17*

Fragmentation Code

C108 C307 C520 C730 C800 C801 C802 C803 C804 C807

M411 M750 M904 M905 M910 N163 Q431 Q436 Q439 R013

Specific Compounds

01902K 01902X

Registry Numbers

1902U

Chemical Indexing M3 *18*

Fragmentation Code

C107 C108 C307 C520 C730 C800 C801 C802 C803 C804

C807 M411 M750 M904 M905 M910 N163 Q431 Q436 Q439

R013

Specific Compounds

01881K 01881X

Registry Numbers

1881U

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1521P; 1521U ; 1532P ;
1532U ; 1544P ; 1544U
; 1694P ; 1694U ; 1881U ; 1901U ; 1902U ; 1966P ; 1966U ;
1967S ; 1967U ; 2015P
; 2015U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2002-132382

Derwent Record

DERWENT-ACC-N : 2002-293997

DERWENT-WEEK: 200354

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TITLE: Preparation of supported metal catalyst composition for production of vinyl acetate involves treating mobile metal, or precursor in support particles with liquid comprising reducing agent(s) to deposit and immobilize metal or its precursor

**INVENTOR: BAKER, M J; COUVES, J W ; GRIFFIN, K G ;
JOHNSTON, P ; MCNICOL, J C
; SALEM, G F**

PATENT-ASSIGNEE: BP CHEM LTD[BRPE] , JOHNSON MATTHEY PLC[JOHO]

**PRIORITY-DATA: 2000US-0626156 (July 26, 2000) ,
2003US-0338673 (January 9,
2003)**

X

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
US 20030144544 A1	July 31, 2003	N/A	000
C07C 067/05			
EP 1175939 A1	January 30, 2002	E	015
B01J 035/00			
CA 2353189 A1	January 26, 2002	E	000
B01J 037/02			

CN 1334144 A	February 6, 2002	N/A	000
B01J 037/02			
JP 2002045706 A	February 12, 2002	N/A	010
B01J 037/02			
BR 200103041 A	April 30, 2002	N/A	000
B01J 023/38			
KR 2002009518 A	February 1, 2002	N/A	000
B01J 033/00			
US 6534438 B1	March 18, 2003	N/A	000
B01J 023/00			

**DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE
IT LI LT LU LV MC MK
NL PT RO SE SI TR**

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	
US20030144544A1	Div ex	2000US-0626156	
July 26, 2000			
US20030144544A1	N/A	2003US-0338673	
January 9, 2003			
US20030144544A1	Div ex	US 6534438	N/A
EP 1175939A1	N/A	2001EP-0305986	July
11, 2001			
CA 2353189A1	N/A	2001CA-2353189	July
17, 2001			
CN 1334144A	N/A	2001CN-0124364	July
26, 2001			
JP2002045706A	N/A	2001JP-0226864	July
26, 2001			
BR 200103041A	N/A	2001BR-0003041	July
26, 2001			
KR2002009518A	N/A	2001KR-0044926	July

25, 2001

US 6534438B1

N/A

2000US-0626156

July

26, 2000

**INT-CL (IPC): B01J023/00, B01J023/02 , B01J023/38 ,
B01J023/40 ,
B01J023/42 , B01J023/44 , B01J023/58 , B01J023/66 ,
B01J023/72 ,
B01J033/00 , B01J035/00 , B01J035/08 , B01J037/02 ,
B01J037/16 ,
C07B061/00 , C07C067/05 , C07C067/055 , C07C069/01 ,
C07C069/15**

RELATED-ACC-NO: 2002-470561

ABSTRACTED-PUB-NO: EP 1175939A

BASIC-ABSTRACT:

NOVELTY - A supported metal catalyst composition is prepared by treating a mobile metal, or precursor in support particles with a liquid comprising reducing agent to deposit and immobilize the metal or its precursor in the support particles such that the metal, or its precursor, is distributed in the support particle in a layer below the surface of the support particle.

DETAILED DESCRIPTION - Preparation of supported metal catalyst composition comprises:

(1) impregnating microspherical support particles with a solution

f
catalytically active metal or its precursor, such that the metal or its precursor, is in a mobile state in the support particles;

(2) drying the impregnated support particles; and

(3) treating the mobile metal, or precursor in the support particles with a liquid comprising the reducing agent to deposit and immobilize the metal or its precursor in the support particles such that the metal, or its precursor, is distributed in the support particle in a layer (2) below the support particle surface (3).

The layer is between an inner and an outer region (4, 5). Each of the inner and outer regions have a lower concentration of the metal or precursor than the layer.

An INDEPENDENT CLAIM is also included for a process for preparation of vinyl acetate comprising reacting ethylene and acetic acid with molecular oxygen containing gas with catalyst composition prepared by above process.

USE - For preparing a supported metal catalyst composition for fluid bed reactors for the production of vinyl acetate (claimed).

ADVANTAGE - The invention provides high attrition resistance as well as high

activity. The outer region of the catalyst composition also provides resistance to poisoning of the catalytically active metal.

DESCRIPTION OF DRAWING(S) - The figure shows a cross-section of a catalyst particle.

Layer 2

Particle surface 3

Inner and outer region 4, 5

Outer edge 7

CHOSEN-DRAWING: Dwg.1/2

**TITLE-TERMS: PREPARATION SUPPORT METAL CATALYST
COMPOSITION PRODUCE VINYL
ACETATE TREAT MOBILE METAL PRECURSOR SUPPORT
PARTICLE LIQUID
COMPRISE REDUCE AGENT DEPOSIT IMMOBILISE METAL
PRECURSOR**

DERWENT-CLASS: A41 E17

**CPI-CODES: A01-D10A; E10-G02D2; N02-D01; N02-E04; N02-F02;
N03-A; N06-F;**

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

A758 C810 M411 M720 M730 M904 M905 N412 N512 N513

Q422 R032 R033

Specific Compounds

19499K 19499C 19499P

Chemical Indexing M3 *02*

Fragmentation Code

A429 C810 M411 M720 M730 M904 M905 N412 N512 N513

Q422 R032 R033

Specific Compounds

05099K 05099C 05099P

Chemical Indexing M3 *03*

Fragmentation Code

A679 C810 M411 M720 M730 M904 M905 N412 N512 N513

Q421 R032 R033

Specific Compounds

03080K 03080C 03080P

Chemical Indexing M3 *04*

Fragmentation Code

A546 C810 M411 M720 M730 M904 M905 N412 N512 N513

R032 R033

Specific Compounds

03031K 03031C 03031P

Chemical Indexing M3 *05*

Fragmentation Code

B114 B702 B720 B831 C108 C800 C802 C803 C804 C805

C807 M411 M720 M730 M904 M905 N412 N512 N513 Q423

R032 R033

Specific Compounds

01694K 01694C 01694P

Registry Numbers

1694P 1694S 1694U

Chemical Indexing M3 *06*

Fragmentation Code

H7 H713 H721 J0 J011 J2 J271 M210 M211 M212

**M262 M272 M281 M320 M416 M720 M904 M905 M910 N221
N262 N342 N411 N441 N512 N513 Q110**

Specific C mp unds

00835K 00835P

Registry Numbers

0835P 0835U

Chemical Indexing M3 *07*

Fragmentation Code

**J4 J471 M280 M320 M416 M620 M781 M904 M905 M910
Q509 R023**

Specific Compounds

00001K 00001U

Registry Numbers

0001U

Chemical Indexing M3 *08*

Fragmentation Code

**C101 C107 C520 C730 C800 C801 C802 C804 C806 C807
M411 M781 M904 M905 M910 Q509 R023**

Specific Compounds

01208K 01208U 07206K 07206U

Registry Numbers

1208U

Chemical Indexing M3 *09*

Fragmentation Code

**A111 A940 B105 B720 B760 B809 B831 C101 C802 C804
C805 C806 C807 M411 M781 M904 M905 M910 Q509 R023**

Specific Compounds

01997K 01997U

Registry Numbers

1997U

Chemical Indexing M3 *10*

Fragmentation Code

**A111 A960 C710 J0 J011 J1 J171 M280 M320 M411
M510 M520 M530 M540 M620 M630 M781 M904 M905 M910
Q509 R023
Specific Compounds
01134K 01134U
Registry Numbers
1134U**

Chemical Indexing M3 *11*

Fragmentation Code

**H4 H401 H481 H8 M210 M211 M212 M213 M214 M215
M216 M220 M221 M222 M223 M224 M225 M226 M231 M232
M233 M272 M281 M320 M416 M620 M781 M904 M905 Q509
R023**

Markush Compounds

200059-13501-K 200059-13501-U

Chemical Indexing M3 *12*

Fragmentation Code

**J0 J011 J1 J171 M210 M211 M262 M281 M320 M416
M620 M730 M904 M905 M910**

Specific Compounds

00247K 00247S 07345K 07345S

Registry Numbers

0247S 0247U

Chemical Indexing M3 *13*

Fragmentation Code

H7 H721 M210 M212 M320 M416 M610 M730 M904 M905

Specific Compounds

00326K 00326S

Registry Numbers

0326S 0326U

Chemical Indexing M3 *14*

Fragmentation Code

C108 C550 C810 M411 M730 M904 M905 M910 Q507

Sp cfic C mp unds

01779K 01779S

Registry Numbers

1779S 1779U

**UNLINKED-DERWENT-REGISTRY-NUMBERS: 0001U; 0247S ;
0247U ; 0326S ; 0326U ; 0835P
; 0835U ; 1134U ; 1208U ; 1694P ; 1694S ; 1694U ; 1779S ; 1779U
; 1997U**

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

**018 ; R00835 G0566 G0022 D01 D11 D10 D12 D51 D53 D58 D63
D84 F41**

F89 ; H0271 ; L9999 L2471 ; L9999 L2186*R ; L9999 L2813

Polymer Index [1.2]

018 ; ND02 ; ND03

Polymer Index [1.3]

018 ; 8B*R Tr Pd 8B ; C999 C000*R ; C999 C259 ; C999 C248

Polymer Index [1.4]

**018 ; C999 C168 ; C999 C259 ; S9999 S1456*R ; B9999 B5209
B5185**

B4740

Polymer Index [1.5]

**018 ; D00 D09 Au 1B Tr Cu Ce 9A 1A*R 2A*R 1B*R 2B*R 9A*R
Tr*R ;**

C999 C113*R ; C999 C259

Polymer Index [1.6]

**018 ; D01 D11 D10 D50 D61*R D81 F36 F35 Na 1A ; R01208
G2335 D00**

**F11 H* N* 5A ; R00001 G1503 D01 D50 D81 F22 ; R01997 D00
H* B* 3A**

Na 1A ; C999 C000*R ; C999 C157 ; C999 C259

SECONDARY-ACC-NO:

CPI Secondary Accessi n Numbers: C2002-086488